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**MAR 15 2005****To:**

NAME:	FACSIMILE:	TELEPHONE:
MS Amendment U.S. Patent and Trademark Office	703/872-9306	571/272-4806

**FROM:** Arthur S. Hsieh**DATE:** March 15, 2005

Number of pages with cover page:	21	
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**Comments:**

Attorney Docket No.: 514542001000  
Group Art Unit: 3744  
Examiner: M. Ali  
Serial No.: 10/006,489  
Filing Date: December 6, 2001  
Inventor(s): Roger O. WILLIAMS et al.  
Title: APPARATUS AND METHOD FOR DROPLET STEERING

**Papers Enclosed:**

1. Transmittal (1 page)
2. Fee Transmittal + duplicate for fee processing (2 pages)
3. Amendment, Supplemental (17 pages)

pa-964252

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
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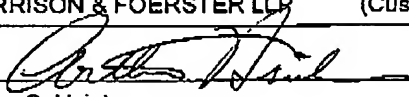
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/006,489	
	Filing Date	December 6, 2001	
	First Named Inventor	Roger O. WILLIAMS	
	Art Unit	3744	
	Examiner Name	M. Ali	
Total Number of Pages in This Submission	20	Attorney Docket Number	514542001000

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form + duplicate for fee processing (2 pages) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply, Supplemental (17 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax cover sheet
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	MORRISON & FOERSTER LLP (Customer No. 25226)		
Signature			
Printed name	Arthur S. Hsieh		
Date	March 15, 2005	Reg. No.	48,247

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9306, on the date shown below.

Dated: March 15, 2005

Signature:

(Maria Linda Cutillo)

pa-964243

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>Effective on 12/08/2004.</b> <b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4913).</b> <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/006,489
		Filing Date	December 6, 2001
		First Named Inventor	Roger O. WILLIAMS
		Examiner Name	M. Ali
		Art Unit	3744
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) 250.00		Attorney Docket No.	814542001000

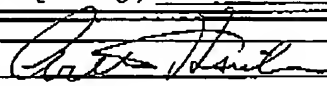
  

<b>METHOD OF PAYMENT (check all that apply)</b>	
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account    Deposit Account Number: <u>03-1952</u> Deposit Account Name: <u>Morrison &amp; Foerster LLP</u>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee <input checked="" type="checkbox"/> Credit any overpayments

<b>FEE CALCULATION</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
		<u>Small Entity</u>		<u>Small Entity</u>		<u>Small Entity</u>	
<b>Application Type</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	0.00
Design	200	100	100	50	130	65	0.00
Plant	200	100	300	150	160	80	0.00
Reissue	300	150	500	250	600	300	0.00
Provisional	200	100	0	0	0	0	0.00
<b>2. EXCESS CLAIM FEES</b>							
<b>Fee Description</b>							<b>Small Entity</b>
							<b>Fee (\$)</b> <b>Fee (\$)</b>
Each claim over 20 (including Reissues)							50    25
Each independent claim over 3 (including Reissues)							200    100
Multiple dependent claims							360    180
<b>Total Claims</b>		<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>		
100	-94	6	x 25.00 =	150.00			
					<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	
					180.00	0.00	
<b>Indep. Claims</b>		<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
10	-9	1	x 100.00 =	100.00			
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>		<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>		
- 100 =		/50 (round up to a whole number) x		125.00	=		0.00
<b>4. OTHER FEE(S)</b>							
Non-English Specification, \$130 fee (no small entity discount)							<b>Fees Paid (\$)</b>
Other (e.g., late filing surcharge):							0.00

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	48,247
Name (Print/Type)	Arthur S. Hsieh	Telephone	(650) 813-5705
		Date	March 15, 2005

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Dated: March 15, 2005

Signature: 

(Maria Linda Guillermo)

Docket No.: 514542001000  
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Roger O. WILLIAMS et al.

Application No.: 10/006,489

Confirmation No.: 3230

Filed: December 6, 2001

Art Unit: 3744

For: APPARATUS AND METHOD FOR DROPLET  
STEERING

Examiner: M. Ali

**SUPPLEMENTAL AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

This is a Supplemental Response to the non-final Office Action dated September 9, 2004 (Paper No. 20040907), for which a response was submitted on March 9, 2005. Accordingly, this response is timely filed. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 16 of this paper.

pa-964034